

DD/ST#

1798-63

23 October 1965

ADM-6

MEMORANDUM FOR: Assistant Director, OSI
Assistant Director, OSA
Assistant Director, OEL
Assistant Director, ORD

SUBJECT : FORTRAN Training

1. As you know, OCS has recently added an IBM 7090 computer to the new CIA Computer Center, Headquarters Building.
2. The acquisition of this computer represents a major extension of CIA computing resources. In order to exploit more fully these resources, OCS will offer a FORTRAN training course for Agency personnel. (FORTRAN is a math-oriented computer language usable by persons who are not computer specialists.)
3. The proposed FORTRAN course will be a part-time, duty-hour course, requiring a total of about 40 hours. The course outline, schedule, and student selection criteria are contained on the attached sheet.
4. It is suggested that each DD/S&T office nominate two students to attend the initial offering of this FORTRAN course. Please furnish the names of the selected individuals to my secretary, [REDACTED] Extension 4000, before 5 November.

STATINTL


JOSEPH BECKER
Assistant Director,
Computer Services

cc: ✓DD/S&T
Director of Training

Attachment: FORTRAN Course Description

STATINTL	I.	<u>Introduction</u>	Becker	1 Hour
	II.	<u>EDP Orientation including</u>		6 Hours
	a.	Navy Films		
		1) Digital Computer Techniques (General)		
		2) 5 major components		
		3) Binary Number System		
		4) Programming a Computer		
		5) Circuitry		
		6) Basic Building Blocks		
	b.	Briefing on terminology and explanation of computer hardware		
	c.	Explanation of Arithmetic Operations		
	d.	Basic concepts of programming (including languages and software packages)		
	e.	Visit to Computer Center		
	f.	Computer Applications in science & technology		2 Hours
STATINTL	III.	<u>FORTRAN -- Self Study Course (Modified)</u>		18 Hours
	a.	Students work at own pace (4 chapters & tests)		
STATINTL	b.	Instructor available during class time to answer questions, administer tests, etc.		
	IV.	<u>Individual Projects</u>		11 Hours
	a.	Dummy problems to be assigned by instructor		
	b.	Write programs, have punched, compiled, and debugged		
	V.	<u>Conclusion Seminar</u>	Becker	1 Hour
			TOTAL	39 Hours

Time: 18 November - 4 December. Daily/mornings (3 hours/day)

Place: OTR classroom, Headquarters Building

Students: Pilot class: 8 to 10 (2 from each DD/S&T Office)

Selection criteria:

- Math backgrounds
- Problems susceptible to math support
- Any grade/experience